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Figure 1. **DNA and Amino Acid Sequences of the Diversified Region of Subtilisin.**

Amino acid sequence of pre-pro peptide shown in small letters. Amino acid sequence of the mature peptide are shown in capital letters. Amino acid sequence of the diversified region are shown in capital, bold letters.

m kkplgkivas

-100 tallisvafs ssiasaaeea kekyligfne qeavsefveq veandevail

-50 seeeeveiel lhefetipvl svelspedvd aleldpaisy ieedaevttm

1 AQSVPWGISR VQAPAAHNRG LTGSGVKVAV LDTGISTHPD LNIRGGASFV

51 PGEP**STQDGN GHGTHVAGTI AALNNSIGVL GVAPSAELYA VKVLGASGSG**

101 **SVSSIAQGLE WAGNNGTHVA NLSLGSPSPS ATLEQAVNSA TSRGVLVVAA**

151 **SGNSGAGSIS YPARYANAMA VGATDQNNNR ASFSQYGAGL DIVAPGVNVQ**

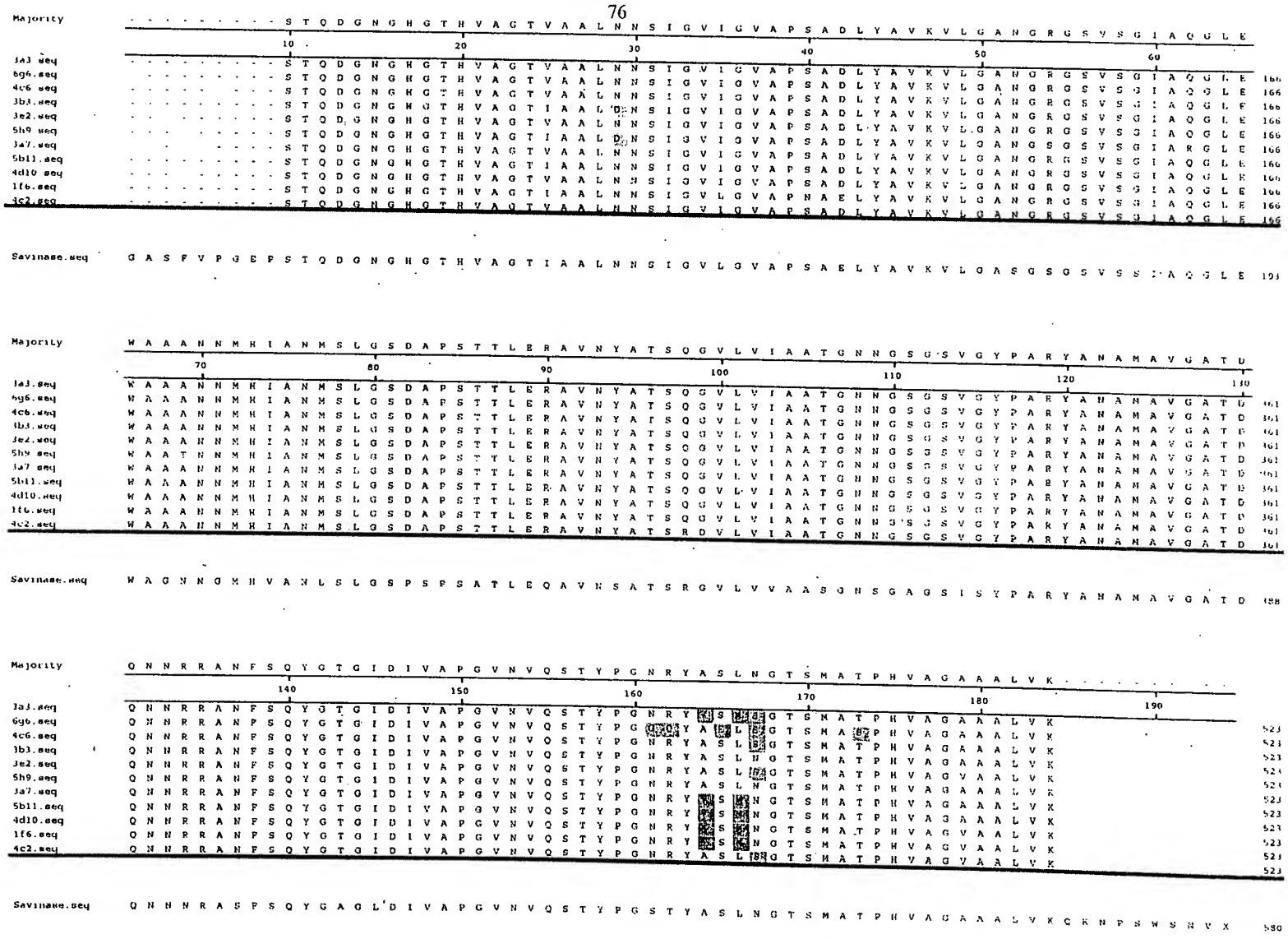
201 **STYPGSTYAS LNGTSMATPH VAGVAAL**VKQ KNPSWSNVQI RNHLKNTATS

251 LGSTNLYGSG LVNAEAATR

2A

Subtilisin Structure-Function Correlation

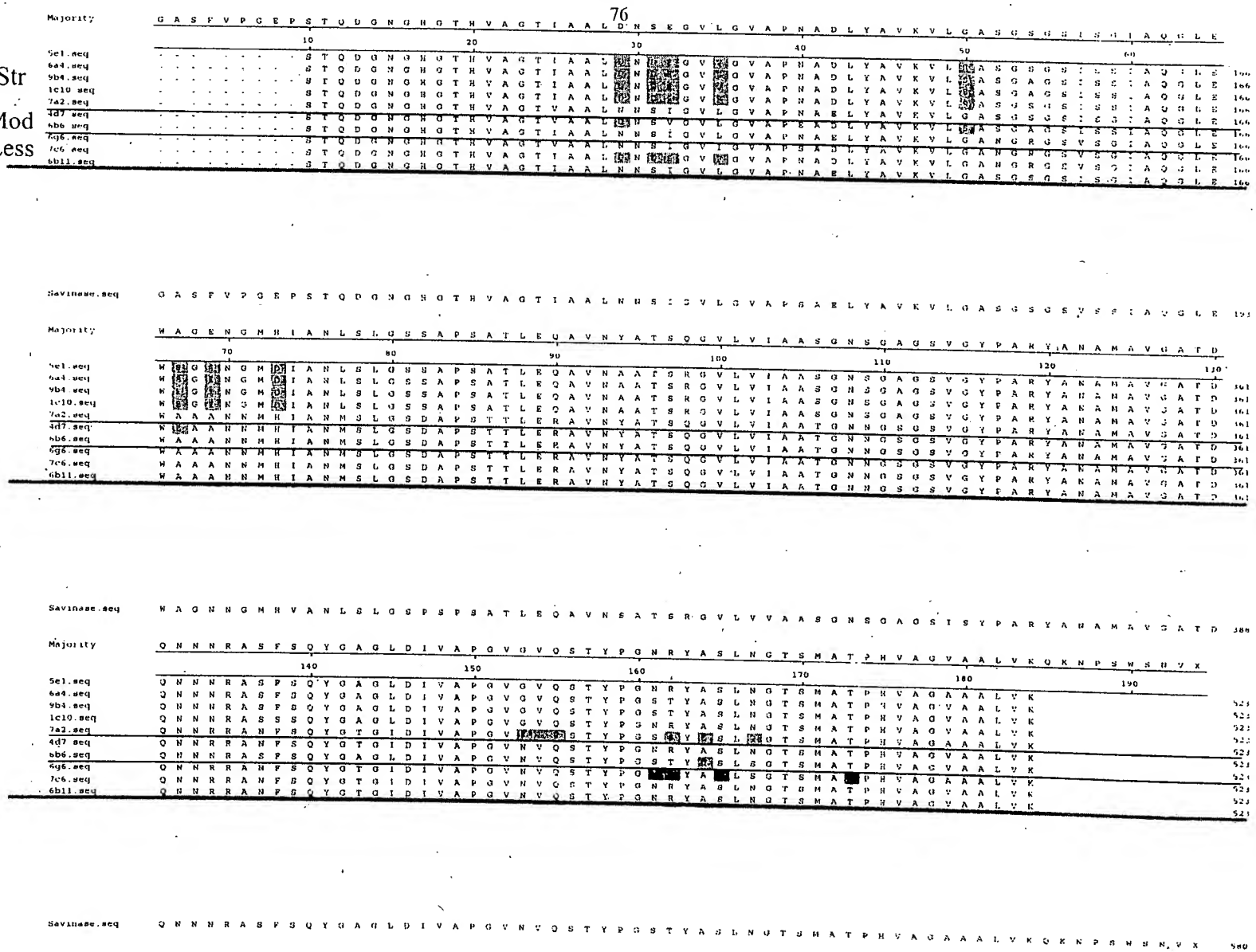
Thermostability Motifs



2B

Subtilisin Structure-Function Correlation

pH Shifting Motifs



2C

Subtilisin Structure-Function Correlation

Activity in DMF Motifs